BIP-5 Instrument for Investigation of Machine Vibration and Dynamic Balancing of Rotors, by M. A. Brenovskiy.

RUBBIAN, per, Elektricheskiye Stanteli, No 10, 1960, pp 47-51.

ML N. 3012

Sci - Rogr

7eb 62

186,853

COVERIAND OF THE END RINGS OF THE ROTORS OF LARGE TURBO-GENERATORS (Remost Bandazhnyth Kolets Rotorov Krupnyth Turbogeneratorov) tr. by D. R. H. Phillips. 23 Nov 60 [6]b. Trafford Park trans. no. 2902; [DSIR LLU] M. 3011.

Order from OTS or SLA \$1.10 61-27585

Trans. of [Elektricheskie Stantsii] (USSR) 1960, v. 31, no. 10, p. 89-91.

DESCRIPTORS: "Turbines, "Generators, Turbine wheels, Maintenance, Insulation

A description is given of a technique used in preventing the development of faults in rotor end rings, by placing an insulating lining between the ring and the rotor body.

(Engineering--Electrical, TT, v. 6, no. 9)

(DC-4600/5)

Soviet Power Engineering on the Forty-Third Anniversary of the October Revolution, 3 pp.

RUBSIAN, por, Elektricheskiye Stanteii, No 11, 1960, pp 2-4.

JPBB B035

UBSR Pol

Sci - Bleatron

May 61

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Problems of the Effect of Water-Furbine Governing on the Dynamic Stability of the Generator, by T. L. Zolotarev.

MUSSIAH, per, Blak Stantsii, Ho 11, 1960, pp 36-40.

WLL M. 3586

Sci - Engr

Jul 62

201,775

Fluctations in Steam Temperature and Lord of Steam Turbines, by B. L. Levchenko.

MRSSIAN, per, Elek Stants, Vol XXXI, No 12, 1960, pp 37-41.

HLL N. 4666

Sci - Engr Jun 62

201,029

The Properities and Characteristics of Hard Class, by N. A. Mikolayev, et al.

mussian, per, Elent Stantail, No 12, 1960, pp 64-70.

C.B. Tr 2057

Sci - Phys

203,254

Jun 62

Unbalance of Flexible Rotors, by S. I. Mkumis.

RUSSIAN, per, Elektr Stantsii, No 11, 1960, pp 96-69.

MLL M.3330

Sci - Engr

193,926

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On the M Expediency of Manufacturing 500-MW Turbines in the Single-Shaft Design, by L. S. Popyrin.

RUSSIAN, per, Elek Stantsii, Ho 1, 1961, pp 24-27.

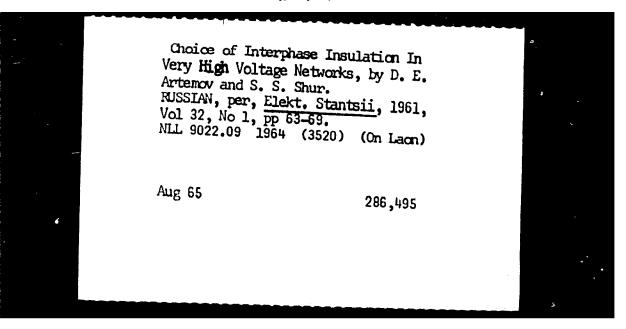
NLL M. 3591

Sci - Engr

Jul 62

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Automatic Prequency Control With Euconomic Lond Distribution, by W. P. Klyuver, D. V. Reshetnikov RUSSIAH, per, Elek Stantsii, No 1, 1961, pp 44-49 MIL M. 6332 Bot - Engr Nov 62



Earthing Systems for 110-500kV Overhead Transmission Lines, by A. L. Veiner, A. N. Sherentsis.

RUSSIAN, per, Elek Stantsii, Vol XXXII, Ho 1, 1961, pp 78-85.

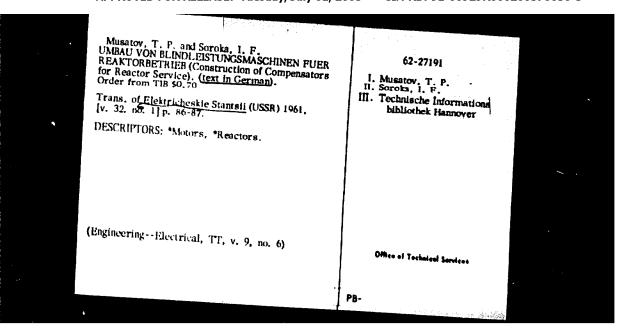
MLL M. 4802

Sci - Slectron

201.769

Jul 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200570030-5



(SF-1200/7)

Introduction of New Means of Communication and Equipment, by K. Ye. Mikhaylov, 4 pp.

RUSSIAN, per, Elek Stantaty, No 2, 1961, pp 69-72.

JPR8 4652

USSR

155,444

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Jun 61

Elimination of Vibration in a Lang Turbo-Set, by A. M. KAN Kornienko. RUSSIAN, per, Elektr Stantsii, No 2, 19681, pp 72-74.

HLL M. 3329

Sci - Engr

Feb 62

186,702

(HY-5500/6)

Introducing Television Techniques into Power Engineering, by V. V. Kulikov, 13 pp.

RUBSIAN, per, Elektricheskiye Stantsii, Mar 1961,

JPB8 9866

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Sci - Electron

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CHANGING OVER FROM CENTRIFUGAL TO HYDRODYNAMIC GOVERNING OF TURBINES, BY L. M. FEDOTOV.

RUSSIAN, PER, ELEK STANTSII, VOL XXXII, NO 3, 1961, PP 16-2L.

NLL M. 6335

SCI - ENGR

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 (M^{-3000})

Rated and Continuous Maximum Power of Steem Turbines and Generators for Them, by A. B. Krikunchik, 6 pp.

RUSSIAN, per, Klektricheskiya Stalkntsii, 1961, pp 21-22.

JPRS 11732

USSR Econ Jan 62 178,064

Cleaning Steam Turbine Condensers With Rubber Balls,

by L. B. Eusmanovich.

RUSEIAN, per, Elek Stantsii, Vol XXXII, No 3, 1961, pp 26-33.

MLL M. 4887

Sci - Bogr

Aug 62

201,163

Investigation of Thermal Conditions and Elimination of Overheating in a Hydrogenerator Step Bearing, by A. H. Aleksandrov.

RUBSIAN, per, Klektricheskipa Stant. No 3, 1961, pp 49-55.

ML M.3468

Sci -- Engr

Apr 62

193,913

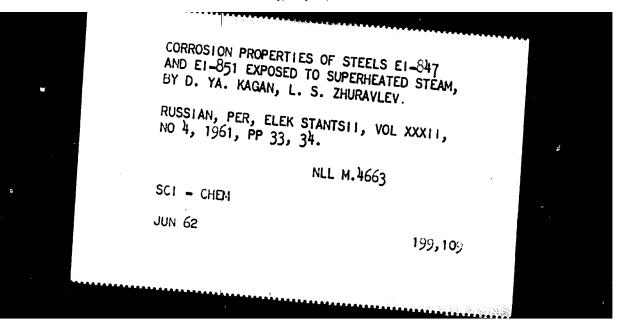
(DC-57926)
Certain Problems in Further Development of Thermal Electric Power Stations and Power Grids, by G. S. Zelevinskiy and A. M. Nekrasov, Russian, Monthly, Elektricheshipe Stantsii, 1961, No, 4, Moscow, April 1961, pp 2-9. *JPRS 8611 1/5/27 Econ/Electric Power May 61 Rept Interior A&36 454 8677

Anti-Corrosion Protection of Hydro-Mechanical Equipment by Varnish Coating Materials, by M. I. Finkelshtein, I. A. Zholondz'.

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GB/153/618

Sci-Chem Feb 63 223,503



Application of Gas Chromatography in the Control of Power Station Boilers, by A. K. Vnukov, R. P. Izedzik. RUSSIAN, per, Elek Stantsii, Vol XXXII, No 5, 1961, pp 12-15. NLL Ref: 9022.09 1964 (3297) (loan copy)

Sci Aug 64

METHODS OF CALCULATING ECONOMIC LOAD DISTRIBUTION IN COMBINED POWER SYSTEMS ON DIGITAL COMPUTERS, BY V. S. SHAKHANOV.

RUSSIAN, PER, ELEK STANTSII, NO 5, 1961, PP 27-34.

NLL M. 3805

SCI - ELECTRON USSR_{1.} ECON OCT 62

214,721

BASIC PRINCIPLES OF THE CONSTRUCTION OF A COMPUTER FOR OPERATIVE CALCULATIONS OF ECONOMIC LOAD DISTRIBUTION IN A COMBINED POWER SYSTEM, BY S. A. GINZBERG, ET AL.

RUSSIAN, PER, ELEK STANTSII, NO 5, 1961, PP 35-41.

NLL M. 3804

SCI - ENGR

OCT 62

214,713

Protecting Power Systems From Frequency Surgos, by L. M. Levit:

RUSSIAN, per, Elek Stant, Vol XXXII, Ho 5, 1961, pp 71-75.

MLL RTS 2029

Sci - Electron

Aug 62

201,194

DETERMINING THE SUPER-TRANSIENT INDUCTIVE
REACTANCES OF TURBO-GENERATORS, BY N. L.
SAKHNOVSKIY.

RUSSIAN, PER, ELEK STANTSII, NO 6, 1961,
PP 84, 85.

NLL M. 3803

SCI - ENGR
OCT 62

214,180

Effect of Turn Short-Circuits in a Turbo-Generator Rotor on Its State of Vibrations, by K. A. Khudabasnev,

RUSSIAN, per, Elek Stantsii, No & 7, 1961, pp 140-145.

MIL M. 3572

Bei - Bleatron

201,168

Jul 62

WORKING OF CARRIER CLAMP OF TYPE PG-5 -10A UNDER CONDITIONS OF RELEASE OF SPLIT PHASE CABLES, BY N. M. BOYEV.

RUSSIAN, PER, ELEK STANTSII, NO 7, 1961, PP 57-61.

NLL M. 6171

SCI - ENGR
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(88-1877)

Further Electrification of Agriculture, by T. A. Tevosyan, 4 pp.

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JPRS 11708

UBBR

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Boon

Jan 62

(SF-1877)

New 2800 Mr Capacity Gree, by S. S. Rakita, 16 pp.

RUSSIAN, per, Elek Stantsii, No 8, 1961, pp 6-13.

JPES 11708

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Reon

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A New State Regional Electric Power Plant Rated at 2800pr, by 8. 8. Rakita, 3 pp.

RUBSIAN, per, Klektricheskiye Stantsii, No 8, 1961, pp 6-13.

> Interntl Physical Index Power Express Vol I, No 3

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Jun 62

(SF-1877)

Construction and Operation of an Open Power Plant, by N. G. Lobanchenko, M. Kh. Guseynov, B. V. Frumen, 5 pp.

RIESIAH, per, Elek Stantaii, No 8, 1961, pp 14-19.

JPRS 11708

UBBR

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Instruments for Measuring Contact Temperatures in Conducting Parts, by A. I. Korolev, RUSSIAN, per, Elektricheskie Stantsiy, Vol XXXII, No 8, 1961, pp 85-86.
OTS TT 64-19889

Seppt66

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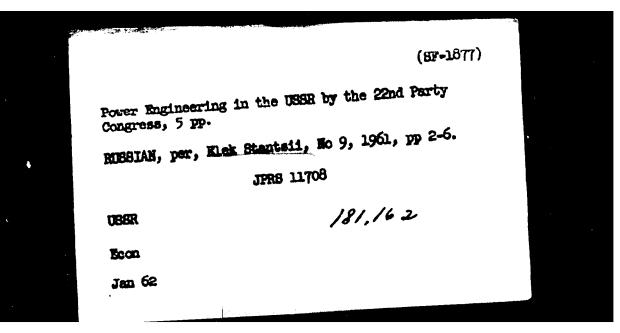
The Dancing of Conductors on a 110 kV Transmission Line, by L. A. Ratnikov.

RUBSIAN, per, Blok Stantsii, Vol XXXII, No 8, 1961, p 86.

NLL Ref. 9022.09 1963 (2,597) (Loss)

Sci - Blectron Nov 63

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The Technology of the Dynamic Belincing of Turbo-set Robors on the Site of Their Min-Tastallation, by S. I. Mikumis. RUSSIAN, per, Elek Stantsii, No 9, 1961, pp 51-19. ны, и 5040 A16,966 Sof - Illouism

Apr o3

Energy Potentialities of High Temy ature Cas Turbines, by D. I. Mariev.

RUSSIAN, per, Elektricheskiya gantsii, Vol XXXII, No 10, 1961, pp 18-22.

ML N -375

Sci - Fuels Mar 63 225,412

SWITCHING OF NO LOAD CURRENT OF 110KV TRANSFORMERS OF UP TO GOMVA BY MEANS OF ISOLATORS AND DISCONNECTING SWITCHES, BY L. S. BELEN'KI, V. P. KOROBKOVA.

RUSSIAN, PER, ELEK STANTSII, VOL XXXII, NO 10, 1961, PP 43-47.

NLL M. 3866

SCI - ELECTRICITY

ост 62

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REINFORCING THE INSULATION OF ELECTRIC POWER LINES IN THE AREAS OF INTENSE ATMOSPHERIC POLLUTION, BY M. D. GLEIZER.

RUSSIAN, PER, ELEK STANTSII, VOL XXXII, NO 10, 1961, PP 61-65.

NLL M. 6168

SCI - ELECTRON

OCT 62

214,714

THE ASYNCHRONOUS STARTING OF A 50-MW, 1500R.P.M. TURBO-GENERATOR, BY S. P. BOROVKOV, ET AL.

RUSSIAN, PER, ELEK STANTSII, NO 10, 1961, PP 84-86.

NLL M. 3799

SCI - ENGR

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OCT 62

214,176

(SF-1877)

New Standards of Technological Designing of Thermo-Electric Power Stations, by B. O. Loshak, 7 pp.

RUSSIAN, per, <u>Klektricheskiye Stantsii</u>, No 11, 1961, pp 7-10.

JPR8 13533

191,667

user Been Apr 62

TURBO-TYPE GENERATORS OPERATING AS SYNCHRONOUS COMPENSATORS, BY V. A. MACHLIN, V. I. SOKOLOV.

RUSSIAN, PER, ELEK STANTSII, NO 11, 1961, PP 33-36.

NLL M. 3798

SCI - ENGR

OCT 62

214,179

THE OPERATION OF TURBO- AND HYDROGENERATORS WITH UNDER-EXCITATION, BY YA. D. BARKAN, I. I. KUZNETSOV.

RUSSIAN, PER, ELEK STANTSII, NO 11, 1961, PP 50-53.

NLL M. 3797

SCI - ENGR
OCT 62

214,710

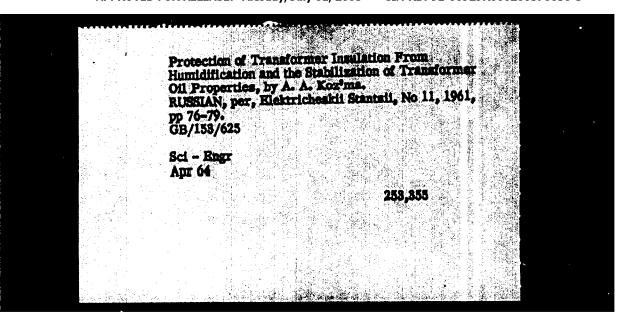
The Appearance of Inter-Rum Short-Circuits in the Windings of the Moving Rotors in Turbo-Generators, by R. M. Manevich.

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MLL N 5036

Sed - Electron Mar ym 63

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Automatic Recording of Internal Overvoltages in High-Voltage Networks, by Yu. A. Mihailov, I. F. Polovoi, I. V. Chernyayev, 13 pp.

RUSSIAN, per, <u>Elektricheskie Stantsii</u>, Dec, No 12, 1961, pp 47-50. (LOAN) NLL Ref. 9022.09 1963 (2,726) CIA FDD XX-1329 NOW FOREIGN DISSEM

OTS TT-63-23946 (PP)

Sci Feb 63

USIB INTERNAL USE ONLY

221,695

(8F-1877)

Scientific-Technical Problems Connected With Carrying Out Lenin's Idea of Electrification, 15 pp.

RUSSIAN, per, Richtricheskiye Stant, Ho 1, 1962, pp 2-5.

JPR8 13717

EU88R

Econ Sci - Engr May 62

196,989

Nethod of Calculating When Washing is Due for Supercritical Pressure Boilers, by E. P. Dick, M. D. Panasenko.

RUSSIAN, per, Elekt Stantsiy, Vol XXXIII, Oct 1962, pp 17-19.

*UKAEA/windscale

Sci - Phys

May 63

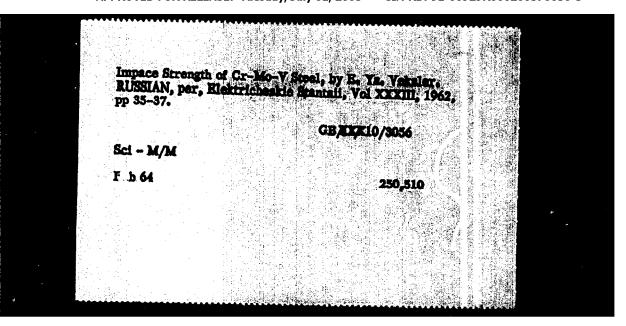
Measuring the Bending Stress in Austentic-Steel Steam Pipes, by V. A. Nakhalov, V. S. Demb.

RUSSIAN, per, Elektricheskiye Stantsii, Vol XXXIII, May 1962, pp 21-24.

*UKAEA Windscale
Tr No 32

Sci - Min/Met

28 Гев 1963



Reduction of Clearance of Overhead Transmission Lines, by Z. E. Kozhanova, et al. RUSSIAN, per, Elek Stantsii, Vol XXXIV, No 1, 1962, pp 43-45. NLL Ref: 9022.09 1963 (3111) (Loan)

Sci Feb 64

Determining the Permissible Degree of Moisture for Transformer Insulation, by V. I. Zvezdkin.

RUSSIAN, per, Elek Stantsii, No 1, 1962, pp 51-52.

NLL M 5038

Sci - Electron Apr 63

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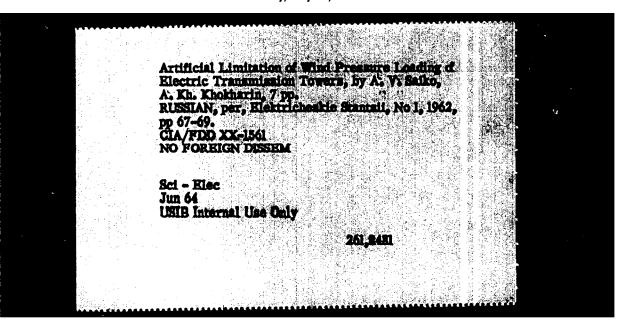
To-3 Remote Disconnection Device, by V. S. Shitaltsev.

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MIL N 8899

Sci - Engr Feb 63

223,571



Dust Separation in a TakkB Classifier,
V. V. Lukyanov.
RUSSIAN, per, Elek Stantsii, Vol XXX, 1962,
pp 77-78
NLL Ref: 9022.09 1964 (3296) (loan copy)
Sci
Aug 64

THE EFFECT OF A LACQUER COATING ON ROTOR HEATING, BY G. S. DEGIL.

RUSSIAN, PER, ELEK STANTSII, VOL XXXIII, NO 1, 1962, PP 81, 82.

NLL M. 3727

SCI - CHEM

OCT 62

214,177

Conductor Galloping on 110 kV Lines, by V. N. Andrievskii. RUSSIAN, per, <u>Elektr. Stantsii</u>, 1962, No 1, pp 86-87. NLL 9022.09 1964 (3554) (On Loan)

Aug 65

286,494

Mankina, N. N.

CONDITIONS OF FORMATION OF DEPOSITS IN THE PRESENCE OF A NUMBER OF SCALE FORMERS AND METHODS OF THEIR PREVENTION (Usloviya Obrazovaniya Otlozhenii v Prisutstvii Ryada Nakipeobrazovatelei i Sposoby lkh Predotvrashcheniya). [1962] 17p. (foreign texi included) 6 refa.

Order from OTS or SLA \$1.60 63-15699

Trans. of Elektricheskie Stantsii (USSR) 1962 [v. 33] no. 2, p. [3-16.]

DESCRIPTORS: *Iron compounds, *Oxides, *Copper compounds, *Scale, Deposits, *Antioxidants, Hydrazines, Phosphates, *Feed water, *Bollers.

Hexametaphosphate decreases the rate of iron oxide scale formation by 65% to 75% and completely prevents hardness and copper scale. Hydrazine prevents iron (Chemistry, TT, v. 10, no. 7)

Silve of Technical Services

The Relation Between the Wet Flashover Voltage of Insulators and the Duration of the Voltago and the Intensity of the Rain, by R. V. Kalinin.

HERRIAN, per, Elek Stantali, No 2, 1962, pp 59-62.

ML N 5039

Sci - E Electron Mar 63

226,802

Gorakii, Yu. M. and Manevich, E. M.
A SEMICONDUCTOR REMOTE PHASE-METER WITH
TAPE RECORDER ATTACHMENT. [1963] [14p] 2refs
C. E. Trans. 2656.
Order from OTS or SLA \$1.60 63-24079

Trans. of Elekt[richeskie] Stantali (USSR) 1962, v. 33,
ao. 2, p. 75-83.

DESCRIPTORS: *Phase meters, *Measuring devices
(Electrical and electronic), Magnetic recording systems, Remote control systems, Transmission lines,
Design, *Semiconductor devices, Failures (Machanics),
Detectors.

(Engineering--Electrical, TT, v. 10, no. 12)

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CIA-RDP91-00929R000200570030-5

DETERMINING THE EFFICIENCY OF THE CENTRIFUGAL SEPARATOR OF A ONCE-THROUGH BOILER UNDER INDUSTRIAL CONDITIONS, BY M. N. KEMEL MAN.

RUSSIAN, PER, ELEK STANTSII, NO 3, 1962, PP 11-13.

NLL M. 3793

SCI - ENGR

ост 62

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Akolzin, P. A.
PREVENTION OF ACCUMULATION OF CORROSION
PRODUCTS IN STEAM BOILERS (Predotvrashchenie
Nakopleniya Produktov Korrozii v Parovykh Kotlakh)
[1962] 13p. (foreign text included) 4 refs.
Order from OTS or SLA \$1.60
63-15697

Trans. of Elektricheskie Stantsii (USSR) 1962 [v. 33] no. 3, p. 14-17.

DESCRIPTORS: *Corrosion, *Boilers, Steam, Feed water, Copper, Iron compounds, Oxides, Carbonic acids, Scale, *Corrosion inhibition, Coatings, Corrosion-resistant alloys, Water softeners, Water filters, Cellulose.

(Metallurgy--Corrosion, TT, v. 10, no. 3)

63-15697

1. Akolzin, P. A.

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Experience in the Assembly of a 150-MV Unit, by M. E. Verbitskiy.

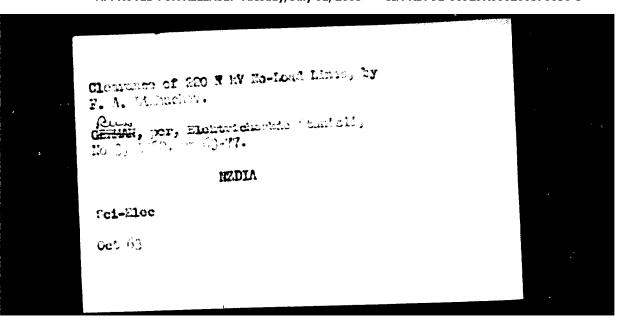
RUSSIAN, per, Elek Stants Stantsii, Vol XXXIII, No 3, 1962, pp 53-57.

NLL Ref: 9022.09 1963 (2715) (Loan)

Sci - Electron Feb 64

248,592

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200570030-5



THE BOILING REACTOR -- A PLANNED UNIT FOR ATOMIC POWER, BY B. YE. DOROSHCHOOK, YU. N. MAKAROV, 7 PP.

RUSSIAN, PER, ELEKTRICHESKIYE STANTSII, NO 4, 1962, PP 11-14.

JPRS 15518

USSR ECON OCT 62

212,925

Construction of a High-Capacity High-Efficiency Carbon Dioxide Power Plant, by V. L. Dekhtyarev.

RUSSIAN, per, Elek Stantsii, Vol XXXIII, No 5, 1962, pp 2-6.

NLL Ref: 9022.09 1963 (2702) (10an)

May 64

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200570030-5

Anti-Corrosion Protection of Water-Proofed Equipment, by V.L. Vinarskii.
RUSSIAN, per, Elek. Stantsii, Vol. 13, No. 5, 1962, pp 19-21.
GB/153/745

Sei July 1967

334-566

Anti-Corrosion Protestion of WaterEproofed Equipment, by W. L. Winarskiy.

HIESTAN, per, Elek Stantell, Ho 5, 1962, up 19-21.

EL M 5095

Sel - Engr.
Nay 63

229,/36

Measuring the E Bending Stresses in Austenitic-Steel Steam Pipes, by Y. A. Hakhlalov, Y. S. Demb.

RUESIAN, per, Elekt Stantail, Vol XXIII, No 5, 1962, NO 21-24.

UEARA-Windscale Tr-Q3 Available on loan only

Bul - Elect

238,242

Jul 63

Besing, V. S.
DISTRUMENTS FOR THE LOCATION OF SELF-CLEARING FAULTS ON A TRANSMISSION LINE.
[1963] [7p] C. E. Trans. 2958.
Order from OTS, SLA, or BTC \$1.10 TT-63-23979

Trans. of Elekt[richeskie] Stantsii (USSR) 1962, v. 33, no. 3, p. 45-48. (Abstract available).

DESCRIPTORS: "Transmission lines, "Electric cables, "Failure (Mechanics), Determination, "Measuring devices (Electrical and Electronic), Design, Operation.

The circuitry, development, and operational tests of devices for determination of location of transmission line faults are discussed.

(Engineering -- Electrical, TT, v. 11, no. 2)

TT-63-23979

1. Bening, V. S. II. CE Trans 2958 III. Central Electricity Generating Board (Gt. Brit.)

NLL LOAN) ReF; 9022.09 1963(2,958)

63-23977 Bulitko, A. D., Deryugin, F. F., and Zarichnaya, A. N. INSTRUMENT FOR LOCATING THE PROBABLE 1. Bulitko, A. D. II. Deryugin, F. F. III. Zarichnaya, A. N. IV. CE Trans-2959 POSITION OF A TRANSMISSION LINE FAULT. [1963] [6p] C. E. Trans. 2959. Order from OTS or SLA \$1.10 63-239 V. Contral Electricity Generating Board (Gt. Brit.) Trans. of Elekt[richeskie] Stantsii (USSR) 1962, v. 33, [no. 5] p. 48-50. NLL (LOAN) R-T: DESCRIPTORS: *Transmission lines, *Failure 9022.09 1963/2,959) (Mechanics), Determination, *Ammeters, Design, Operation. The basic circultry and output characteristics of the Al-2 device (pulse anumeter), used to locate faults in transmission lines by registering the zero-sequence current of a line, are discussed. The basic element of the device is a mass-produced millicoulomb meter type M-368. **Attics of Technical Services** (Engineering--Electrical, TT, v. 10, no. 12)

Elfimov, V. M.

FAULT LOCATION ON ELECTRICAL TRANSMISSION
LINES. [1963] [5p] C. E. Trans. 2960.

Order from OTS, SLA, or ETC \$1.10 TT-63-23970

Trans. of Elekt[richeskie] Staatsii (USSR) 1962, v. 33, no. 5, p. 51-52. (Abstract available)

DESCRIPTORS: *Transmission lines, *Bioctric cables, *Failure (Mechanics), Determination, *Measuring devices (Electrical and Electronic), Design, Operation.

An apparatus for automatic measurement of a fault voltage (AMFL) is described. The device enables the distance to the point on the line at which the fruit has occurred to be determined by measurement of the zero or negative sequence voltage across the ends of the damaged line at the moment of the short-circuit. The action of the AMFL is as follows: when there is a short-(Engineering -- Electrical, TT, v. 11, no. 2) (over)

TT-63-23970

- 1. Elfenov, V. M. II. CE Trens-2960
- III. Control Electricity Constraint Board (Ct. Brit.)

NCL(LOAN) Ref. 9022.09 1963/2,960

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CIA-RDP91-00929R000200570030-5

KHTGZ STEAM TURBINE UNITS FOR POWERFUL ELECTRIC POWER BLOCKS, BY L. A. SHUBENKO-SHUBIN, 5 PP.

RUSSIAN, PER, ELEKTRICHESKIYE STANTSII, NO 6, 1962, PP 2-8.

JPRS 15608

USSR ECON OCT 62

MLE Res: 902203 1763 (3362) 213,456

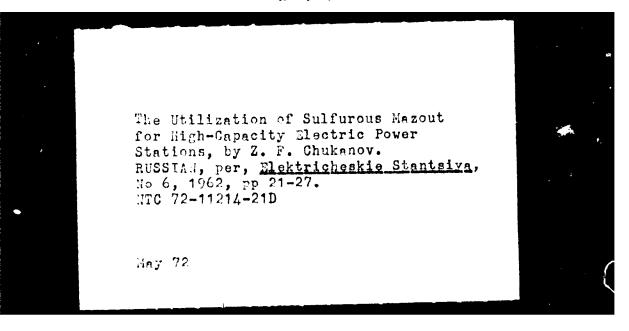
SPECIFIC FEATURES OF THE TPP-110 SUPERCRITICAL PRESSURE BOILER, BY L. A. OSTROVSKIY, M. V. MEYKLYAR, 14 PP.

RUSSIAN, PER, ELEKTRICHESKIYE STANTSII, NO 6, 1962, PP 8-14.

JPRS 15608

USSR ECON SCI =ENGR OCT 62

213,457

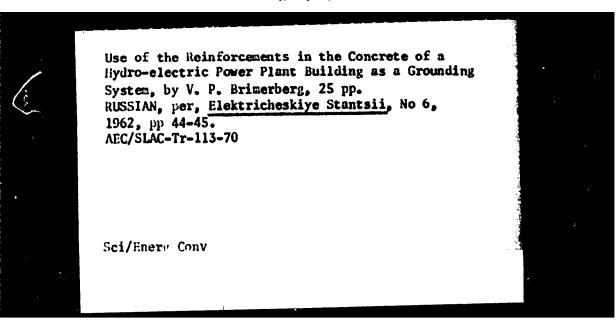


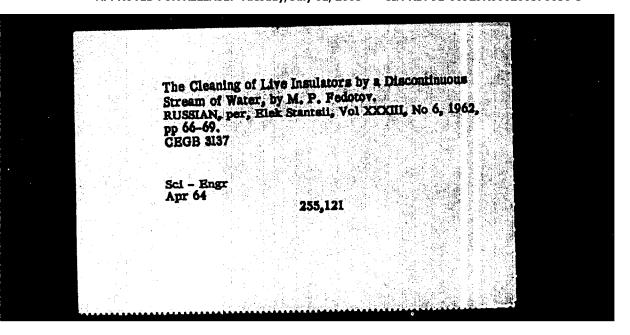
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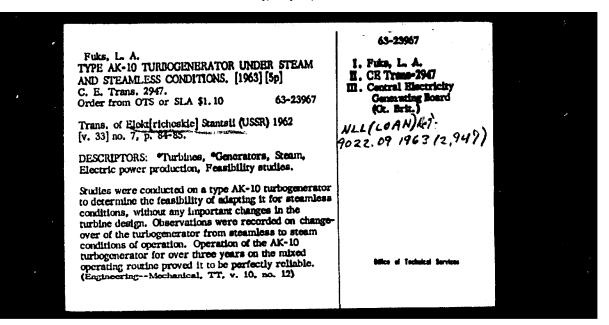
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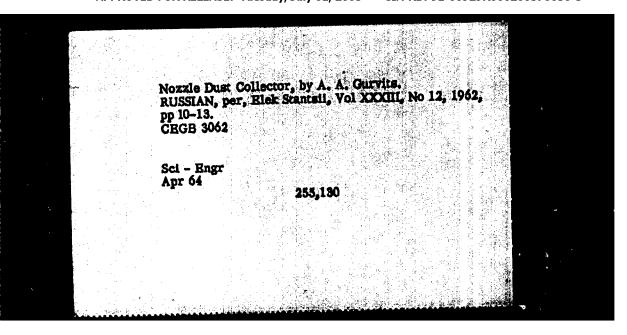
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